



September 9, 2015

ENGINEERING FIELD HANDBOOK (NEH Part 650)

210 – ENG

Notice IL84

SUBJECT: ENG – National Engineering Handbook (NEH), Part 645, Engineering Technical Materials

Purpose. To distribute revised IL-ENG standard drawings.

Effective Date: Upon receipt.

Explanation of Changes. This notice distributes two new standard drawings, eight revised standard drawings, and decommissions 14 drawings. Details of the revisions can be found in the attached “Revised List” sheet.

The major change is with the winter feeding station (WFS) drawings: combining each style of WFS into one drawing set with blanks for entering dimensions that change with each size of the structure. A spreadsheet-based drawing format is included with this release, to facilitate filling out the many dimensions on these two drawings. Several design features of the WFS have been changed based on evaluations of installed structures:

- the heavy use area around the WFS has been increased in size from 10 feet to 20 feet;
- details for the gutter and downspout system have been included in the WFS drawing set instead of relying on the standalone roof runoff drawing.

Other changes include adding a new drawing for a WaSCOB-type grade stabilization structure; adding a new drawing for guard posts around a riser in a pasture; and adding flexibility on the erosion control blanket drawing. In addition, the heavy use area drawings previously allowing fine aggregate as a surfacing material have been changed to offer ag lime as the only approved surfacing material, to facilitate livestock management.

The Illinois NRCS engineering website will be revised to reflect the updated drawings at:
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/il/technical/engineering/?cid=nrcs141p2_030571.

The drawings will be available for 30 days under the Shared Documents section on the SharePoint site here:

https://ems-team.usda.gov/sites/NRCS_Illinois/Shared%20Documents/Forms/AllItems.aspx

Filing Instructions (Drawings). Optional. Holders of hardcopy Illinois Engineering Drawing binders should:

1. Replace Numerical Index dated 4/2015 with the new Numerical Index (attached) dated 9/2015.
2. Replace Category Index dated 4/2015 with the new Category Index (attached) dated 9/2015.
3. Print copies of the revised drawings.

Natural Resources Conservation Service

2118 W. Park Court, Champaign, Illinois 61821

Voice (217) 353-6600 – FAX (855) 668-0602

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4. Follow instructions on attached distribution listing of new drawings, filing in the IL-ENG Drawing binder.

Any questions regarding this submittal should be directed to the Area Engineer.

A handwritten signature in black ink, appearing to read "Ruth Book". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

RUTH BOOK
State Conservation Engineer

Dist: All IL NRCS and SWCD Employees